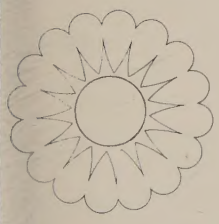
WASTE MANAGEMENT & RESEARCH

Volume 12 1994

EDITOR
P. Rushbrook
ASSOCIATE EDITORS
P. H. Brunner R. B. Dean L. F. Diaz
EXECUTIVE SECRETARY
J. Møller

EDITORIAL BOARD
M. A. Barlaz, J. H. M. Bartels, A. D. Bhide, H. Billard, N. Blakey,
M. de Bertoldi, M. Correa, M. O. Ettala, S. Gotoh, M. El-Halwagi, L. Hickman,
J. Holmes, T. Lichtensteiger, R. McFarland, F. C. McMichael,
T. Marcinkowski, G. Rettenberger, J. Smith, R. Stegmann, D. C. Wilson



The Journal of the International Solid Wastes and Public Cleansing Association ISWA

ACADEMIC PRESS

London San Diego New York
Boston Sydney Tokyo Toronto

Digitized by the Internet Archive
in 2023 with funding from
Kahle/Austin Foundation

https://archive.org/details/waste-management-research_1994_12_contents

CONTENTS OF VOLUME 12

No. 1, February 1994

Editorial 1

Polprasert, C., Kongsricharoern, N. and Kanjanaprapin, W., Production of feed and fertilizer from water hyacinth plants in the tropics 3

Nakasaki, K., Aoki, N. and Kubota, H., Accelerated composting of grass clippings by controlling moisture level 13

Chung, S. A. and Poon, C. S., Waste recycling policy in Hong Kong 21

Lee, N., Kusuda, T., Shimaoka, T., Matsufuji, Y. and Hanashima, M., Pollutant transformations in landfill layers 33

Wild, S. and Jones, K. C., The significance of polynuclear aromatic hydrocarbons applied to agricultural soils in sewage sludges in the U.K. 49

Prasad, T. V., Brown, K. W. and Thomas, J. C., Diffusion coefficients of organics in high density polyethylene (HDPE) 61

Sundberg, J., Gipperth, P. and Wene, C.-O., A systems approach to municipal solid waste management: a pilot study of Göteborg 73

International Report

Otieno, F. A. O., Stabilization of solid waste through leachate recycling 93

Reports and Reviews

Site selection for New Hazardous Waste Management Facilities. Reviewed by R. B. Dean 101

ISWA Noticeboard 102

Calendar of events 103

1 326HI 208
XL
6/95 31249-203 NUCLE

No. 2, April 1994

Editorial 107

Ikeguchi, T., Progress in sanitary landfill technology and regulations in Japan: A review 109

Deipser, A. and Stegmann, R., The origin and fate of volatile trace components in municipal solid waste landfills 129

Gönüllü, M. T., Analytical modelling of organic contaminants in leachate 141

Muttamara, S., Visvanathan, C. and Alwis, K. U., Solid waste recycling and reuse in Bangkok 151

Adeoye, G. O., Sridhar, M. K. C. and Mohammed, O. E., Poultry waste management for crop production: Nigerian experience 165

Pollard, S. J. T., Hrudey, S. E. and Fedorak, P. M., Bioremediation of petroleum- and creosote-contaminated soils: A review of constraints 173

ISWA Noticeboard 195

No. 3, June 1994

Special Issue: Socio-Economic Issues in Waste Management

Editorial 197

Thompson, M., Blood, sweat and tears 199

Petts, J., Effective waste management: understanding and dealing with public concerns 207

Burkart, R., Consensus oriented public relations as a solution to the landfill conflict 223

Jorgensen, C. H. and Jakobsen, J. B., Municipal solid waste management: institutional and socio-economic constraints—experience from the Mediterranean region 233

Ugelow, J., Short-term/long-term solutions in waste management: economics and the transition process 243

Macdonald, D. and Vopni, P., Policy barriers to 50% diversion of municipal solid waste 257

Gilnreiner, G., Waste minimization and recycling strategies and their chances of success 271

Calendar of events 285

No. 4, August 1994

Editorial 287

Schwab, B. S., Ritchie, C. J., Kain, D. J., Dobrin, G. C., King, L. W. and Palmisano, A. C. Characterization of compost from a pilot plant-scale composter utilizing simulated solid waste 289

Martínez-Iñigo, M.-J. and Almendros, G. Kinetic study of the composting of evergreen oak forestry waste 305

Mato, S., Otero, D. and Garcia, M. Composting of <100 mm fraction of municipal solid waste 315

Jones, H. K. and Elgy, J. Remote sensing to assess landfill gas migration 327

Gönüllü, M. T. Analytical modelling of inorganic contaminants in leachate 339

Belton, V., Crowe, D. V., Matthews, R. and Scott, S. A survey of public attitudes to recycling in Glasgow (U.K.) 351

Reports and Reviews

Refuse-derived Fuel Processing. Reviewed by Robert B. Dean 369

Calendar of events 370

No. 5, October 1994

Editorial 371

Liberti, L., Tursi, A., Costantino, N., Ferrara, L. and Nuzzo, G. Optimization of infectious hospital waste management in Italy: Part I—Wastes production and characterization study 373

Scharff, C. and Vogel, G. A comparison of collection systems in European cities 387

Andrés, A. and Irabien, J. A. Solidification/stabilization process for steel foundry dust using cement based binders: influence of processing variables 405

Malone, R., Warner, R. C., Evangelou, V. P. and Wong, J. L. Transport of benzene and trichloroethylene through a landfill soil liner mixed with coal slurry 417

Diependaal, M. J. and de Walle, F. B. A model for environmental costs for corporations (MEC) 429

Reports and Reviews

Schmitte-Tegge, J. *International report: Incineration of hazardous and municipal waste—the situation in Germany in 1993: a commentary* 441

Report: A new 1-year vocational training course in Strasbourg, France: "Waste Management and Engineering" ("Maîtrise des déchets") 447

Material Recovery Facility Design Manual. Reviewed by John Barton 448

Geotechnical Practice for Waste Disposal. Reviewed by D. A. Whitaker ... 449

Clean Production Strategies. Reviewed by R. B. Dean 451

Demolition and Reuse of Concrete and Masonry. Reviewed by Robert B. Dean 452

No. 6, December 1994

Editorial 455

Garcia, C., Hernandez, T., Costa, F. and Ceccanti, B. Biochemical parameters in soils regenerated by the addition of organic wastes 457

Martin, A. M. and Bemister, P. L. Use of peat extract in the ensiling of fisheries wastes 467

Gandy, M. A comparative overview of recycling in London and Hamburg 481

Or, İ. and Akgül, M. An optimization approach for locating a hazardous waste disposal facility in İstanbul province 495

van der Voet, E., van Egmond, L., Kleijn, R. and Huppes, G. Cadmium in the European Community: a policy-oriented analysis 507

Field, R. and O'Shea, M. L. The handling and disposal of residuals from the treatment of urban stormwater runoff from separate storm drainage systems 527

Referees 541

Contents of volume 12 i

Subject index vii

Author index x

Copyright © 1994 ISWA

ALL RIGHTS RESERVED

No part of this volume may be reproduced in any form, by photostats, microfilm, or by any means, without written permission from the publishers.

Printed in Great Britain by Latimer Trend & Company Ltd, Plymouth

This journal is printed on acid-free paper